

SYSTEM AND METHOD TO PROVIDE PPPOE CONNECTIVITY TO NON-PPPOE CLIENTS

Abstract of the Disclosure

A system and method for providing a virtual Point-to-Point Protocol over Ethernet (PPPoE) session between a client unable to support a PPPoE session and an access concentrator are disclosed herein. A gateway situated between the client and the access concentrator can act as a proxy PPPoE client between the client and the access concentrator, thereby allowing the client to send and receive data to/from the gateway in a protocol supported by the client, and the gateway provides this data to the access concentrator through a PPPoE session initiated and maintained by the gateway. Likewise, data from the access concentrator to the client is transmitted through the PPPoE session to the gateway, and the gateway reformats the data using a protocol supported by the client and then forwards the reformatted data to the client. Additionally, the gateway can be adapted to allow PPPoE-enabled clients to establish PPPoE sessions directly with an access concentrator via the gateway while providing bi-directional communication between an access concentrator and a client not enabled to support PPPoE.

Figures

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